

APPENDIX 5

CHARACTER DELIMITED FORMAT (CDF) FIELDS

The file created by Option 4, Export Device History, of the Special Data Entry menu is a Character Delimited Format (CDF) text file, composed of 105 text fields separated by commas. This appendix section of the Data Entry Manual lists each text field in the order it appears in the file, indicating the data type (text or numeric) and the monitor type the field pertains to.

Please note that ALL of the following data fields are included in the export file, making the file independent of the monitor type. All of the unused fields are empty, with no text appearing between the commas in fields that normally contain numeric data, and single quotes between the commas in fields that would contain text. This can result in a file that contains long sequences of commas marking the blank, unused fields. Also, all numeric data is exported in a native integer format, which will need to be translated by the database application. The native integer format is discussed later in this appendix. A typical device data entry screen and the corresponding CDF file are shown in the examples below.

```

Device #: T -001                               Type: UP
Address: 2-1340 E CLIFF DR                     Loc: 1 Pipe: A

Sheath(s): 0001

Cable:      0001  Prim Pair: 01  Sec Pair: 02  Sort Key:
Plat #:     1-1  Stickmap: 1/4

Remarks:*FIRST LINE OF REMARKS
         SECOND LINE OF REMARKS

Readings      Curr Last Tdy -1 -2 -3 -4 -5 -6 Wk-1 Wk-2 Wk-3 Wk-4
-----
              4.0 4.5 5.0 6.0 6.5 6.5 6.5 6.5 6.5 6.3 6.7 7.1 6.8
-----
Device #: T -001                               Type: UP

Latitude: N43+12.345  Longitude: W120+6.321

Office 1 Loc: 23      Distance 1 (kft): 1.2  Field 1 Loc: 25
Office 2 Loc: 21      Distance 2 (kft): 0.6  Field 2 Loc: 26

Unit #: 2  Line #: 12  Module: DED  Input #: 4
Threshold: 3
-----
Device #: T -001                               Type: UP

01/13/2004 10:55  EXAMPLE COMMENT, FIRST LINE
                  EXAMPLE COMMENT, SECOND LINE
-----
Device #: T -001                               Type: UP
Manifold/PSI:
0001

```

SCREEN A5-1: SAMPLE DEVICE DATA ENTRY SCREENS

DATA ENTRY

```
'T -001','T -001','UP',,,,,,60,'A',40,45,50,60,65,65,65,65,65,63,67,71,68,' 1','
2 3 ' , ' ' 2 1 ' , 1 2 , 6 , ' 2 5 ' , '
26',0,0,0,0,'0001',,,,,,,'2-1340 E CLIFF
DR',,'0001','01','02',,'','1-1',' 1/4','FIRST LINE OF REMARKS','SECOND LINE OF
REMARKS',,12,,4,,3,,,,,2,,,,,'DED',,,,,,'',',',',',,15,,-9,0,'RP','N4
3+12.345','W120+6.321'
```

SCREEN A5-2: CDF FILE FOR DEVICE T-001

CDF Text File Field Order

LOCATION #	FIELD	DATA TYPE	MONITOR
1	device number	text	all
2	access number	text	all
3	type	text	all
4	range	numeric	all
5	PSI offset	numeric	all
6	PSI setting	numeric	all
7	oau	numeric	all
8	loop resistance	numeric	all
9	std	numeric	all
10	sau	numeric	all
11	pipe	text	all
12	current reading	numeric	all
13	last reading	numeric	all
14	reading today	numeric	all
15	reading -1	numeric	all
16	reading -2	numeric	all
17	reading -3	numeric	all
18	reading -4	numeric	all
19	reading -5	numeric	all
20	reading -6	numeric	all
21	average wk-1	numeric	all
22	average wk-2	numeric	all
23	average wk-3	numeric	all
24	average wk-4	numeric	all
25	location	text	all
26	office location 1	text	all
27	office location 2	text	all
28	office distance 1	numeric	all
29	office distance 2	numeric	all
30	field location 1	text	all
31	field location 2	text	all
32	device disabled	numeric	all
33	dispatch disabled	numeric	all
34	index disabled	numeric	all

LOCATION #	FIELD	DATA TYPE	MONITOR
35	trnd signed	numeric	TMACS
36	sheath 1	text	all
37	sheath 2	text	all
38	sheath 3	text	all
39	sheath 4	text	all
40	sheath 5	text	all
41	sheath 6	text	all
42	sheath 7	text	all
43	sheath 8	text	all
44	sheath 9	text	all
45	sheath 10	text	all
46	sheath 11	text	all
47	sheath 12	text	all
48	sheath 13	text	all
49	sheath 14	text	all
50	sheath 15	text	all
51	address	text	all
52	phone	text	all
53	primary cable	text	all
54	primary pair	text	all
55	secondary pair	text	all
56	sort key	text	all
57	binding post	text	not used
58	plat num	text	all
59	stick map	text	all
60	remarks line 1	text	all
61	remarks line 2	text	all
62	tp	numeric	Chatlos
63	line num	numeric	Sparton
64	low thrsh	numeric	TMACS
65	priority	numeric	Chatlos
66	input num	numeric	Sparton, TMACS
67	level	numeric	Chatlos
68	threshold	numeric	Sparton
69	limit	numeric	Sparton
70	loop reading	numeric	all
71	delay	numeric	Sparton, TMACS
72	sample	numeric	TMACS
73	td steps	numeric	TMACS
74	addr num	numeric	Sparton, TMACS
75	altitude	numeric	Sparton
76	reset_time	numeric	E2A
77	shrt thrsh	numeric	TMACS
78	unit	numeric	Sparton
79	trend	numeric	TMACS
80	open thrsh	numeric	TMACS

DATA ENTRY

LOCATION #	FIELD	DATA TYPE	MONITOR
81	deb delay	numeric	TMACS
82	high thrsh	numeric	TMACS
83	alarm thrsh	numeric	TMACS
84	settle time	numeric	TMACS
85	escalator	numeric	TMACS
86	module	text	Chatlos, Sparton
87	callouts 1	numeric	TMACS
88	callouts 2	numeric	TMACS
89	callouts 3	numeric	TMACS
90	callouts 4	numeric	TMACS
91	ckt	text	Chatlos, TMACS
92	trigger	text	Sparton
93	ty	text	TMACS
94	leg	text	TMACS
95	call priorities 1	numeric	TMACS
96	call priorities 2	numeric	TMACS
97	call priorities 3	numeric	TMACS
98	call priorities 4	numeric	TMACS
99	change	numeric	all
100	normal reading	numeric	all
101	sheath mileage	numeric	all
102	reference	numeric	all
103	td type	text	289H, Dial-a-Ducer
104	latitude	text	all
105	longitude	text	all

Native Integer Format Conversion

All numeric data contained in the CDF file is in PressureMAP native integer format. This format converts all positive numeric values to a Times 10 format. For example, a device reading of 9.0 actually is recorded in the PressureMAP history file as 90, and so it appears this way in the CDF file.

In Positive Air Flow (PAF) PressureMAP systems, actual negative readings are possible. If this circumstance occurs, the actual negative readings are calculated times 10, plus -10000. Therefore, a reading of -5.0 is calculated as $-5.0 \times 10 + (-10000) = -10050$, and will be recorded in the CDF file as -10050.

Verbose Readings

All "verbose" readings, such as SHRT and OPEN, appear in the CDF file as negative numbers. The most common verbose reading seen in a CDF file is -9, which corresponds to a BLANK reading in PressureMAP. It is displayed as " " in any of the device reading fields. The following chart lists each possible negative number and the corresponding "verbose" reading. For an explanation of the verbose readings, refer to Appendix 1 of the PressureMAP Operations Manual.

NUMBER	VERBOSE READING
-1	OPEN
-2	BUSY
-3	SHRT
-4	ERR
-5	NG
-6	NA
-7	EMPT
-8	OK
-9	" " (BLANK, no reading returned from monitor)
-10	CLR
-11	ALL
-16	DIS
-17	---- (no reading from Sparton)
-18	EDIT
-19	NUSE
-20	NMOD
-21	NRSP
-22	NANS
-23	NSE
-24	NEW
-25	FLT
-26	ALRM
-27	IR
-28	NV
-29	UP
-30	DOWN
-31	HIGH
-32	LOW
-33	TRHI
-34	TRLO
-35	OVER
-36	TD
-37	HOLD
-38	PAIR
-39	CLSD
-40	LAT
-41	REL
-42	MOM
-43	FAIL
-44	UBAL
-45	VOLT
-46	OPNI
-47	OPNO
-48	BOPN
-49	BCLS
-50	NMAP

DATA ENTRY

NUMBER	VERBOSE READING
-51	WRNG
-52	NONE
-53	INAC
-54	COM
-55	R/E
-56	ADDR
-57	PROG
-58	RNG
-59	FREQ
-60	PWR
-61	NCOM
-62	BAD